**Holder and Charging Specifications**

Item no 530364, 532364 (Reference doc 311-1125)

# Zodiac BT-Series, Connect

## Features & Benefits

- Always keep your battery fully charged
- Made of high grade ABS plastic
- Charges Li-Ion or Li-Poly batteries
- Works in 12 and 24 volt vehicles
- Rapid and trickle charges radio
- LED Red to Green charging status indicator
- Custom fit to hold device securely
- Designed and manufactured in Sweden
- Allows one-handed insertion and removal of radio
- You can charge just the battery alone in the holder
- Works with or without belt clip on back of radio
- Charging cable attached to holder providing dock type connection
- Attach to ProClip Vehicle or Pedestal mounts
- Can also be attached directly to any flat surface, dashboard, console wall, or any type of mounting bracket

## Holder specifications item no 530364 – Charging Holder with Cigarette Lighter Plug

| | |
|---|---|
| Material | Rugged thermal resistant black ABS plastic (FT103) |
| Dimensions (W x H x D) | 63 x 85 x 49 mm |
| Weight | 93 g / 0.20 lbs |
| Cable Length un-stretched | 46 cm |
| Attachment | AMPS hole pattern |

## Holder specifications item no 532364 – Charging Holder for Hard Wire Installation

| | |
|---|---|
| Material | Rugged thermal resistant black ABS plastic (FT103) |
| Dimensions (W x H x D) | 63 x 85 x 49 mm |
| Weight | 80 g /0.17 lbs |
| Cable Length | 180 cm |
| Attachment | AMPS hole pattern |

## Charging Specifications

Lithium charging is based on CVCC (Constant Voltage Constant Current). The charging procedure is as follows:

If the battery is empty or has low charge a constant current charges the battery until the cell voltage reaches 8,4V. The LED emits red light. Hereafter the charge continues until the current goes down to 0A. The battery is now full and stays fully charged. A special designed voltage controller is monitoring that the cell voltage is within limit. The LED emits green light.

If the battery is used without disconnecting the charger, current is supplied directly resulting in a fast recovery.

| | |
|---|---|
| Battery Chemistry | Li-ion or Li-Poly batteries |
| Compatible batteries | 47604, 47605 |
| Input Voltage | 11-30 V |
| Charging Voltage | 8.4 V |
| Timer for Max. Charging Time | Automatic, stops at 8.4 V |
| Max. Charging Time | 2-3 hours depending on battery capacity |
| Rapid Charge | 1,6 A +/- 5% |
| Trickle Charge | 0 to 50 mA |
| LED Charging Indicator | LED Red to Green indicator |
| Temperature Control | Controlled by battery |
| Operating Temperature | -40° C to + 50° C / -40° F to 122° F<br>(can be restricted by battery chemistry) |
| EMI/RFI | CE, E, FCC Part 15 Class B, ICES-003 Class B |
| Environmental | RoHS Compliant |
| Electrical Testing | ISO 7637 and SAE J1455 |
| Input Transient Protected | Withstands +150V & -450V.<br>A 2,5A fuse is mounted on the incoming supply. |
| Output Short Circuit Protected | The charger will supply a maximum current of 1,6 A which protects both the charger and the connected equipment. The current limit is set to standards of the producer and shall not be higher. |